



W2NPT

The Resonator

Volume 2, Number 10

www.FairLawnARC.org

October 2017

The Official Newsletter of The Fair Lawn (NJ) Amateur Radio Club

From The President:

The month of September was a quiet month –

We had the NJ QSO Party, the NYC Maker Faire took place and Portable Day with BARA.

I thank the members and guests that participated in the NJ QSO Party for making it possible as a weekend scheduled event.

For those who attended the NYC Maker Faire, if you can give a brief review of what took place as a presentation for others to appreciate this type of “radio communication.”

When people pull together it can happen. Our radio club, FLARC, and BARA had their semi-annual Portable Day which took place at the Fair Lawn Memorial Pool area. We had much interest with members of both clubs. Different types of radios and antennas were setup to “show and tell” how they work. I also thank Jim Joyce for being the chef of the day.

I would like to thank all the members of FLARC and BARA for their continuing efforts in keeping Amateur Ham Radio current in their daily lives and in the future.

Judith KC2LTM/President

New Member Profile

NAME: John L. Howard CALL: **KD2NRS**

What do you do/what did you do for a living?

I am a biologist by training, and have worked in Bio-Medicine all my career. I am a graduate of WPU undergraduate and Seton Hall for graduate studies. I worked as a research biologist at UMDNJ developing an immunohistological diagnostic laboratory and was involved with early HIV/AIDS work with Pediatric AIDS. I have also managed anatomic Pathology Laboratories and became a Registered Histotechnologist.

I currently work as Pathologist Assistant at multiple Hospitals and private labs, where I am responsible for the dissection and preparation of all material removed at surgery for pathologic examination. I also perform and assist at autopsies (over 100).

During my whole career I have been involved in teaching as well as research, having taught Anatomy and Physiology at the college level and currently, in addition to my hospital work I teach High School biology.

As a veteran of the NJ Army National Guard, I was trained at Ft. Sam Houston as a Trauma Specialist as well as a basic medic/corpsman.

It might be a surprise, but I also coached Ladies Fencing at my high school for 10 years.

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The Club

Fair Lawn ARC is the fastest growing ham club around, with five operating positions in a permanent clubhouse. Visitors and guests are always welcome. The club is open every Friday night from NLT 6:30 PM. Business meetings are the first Friday of the month at 7:30PM.

2017 Officers and Committees

President	Judith Shaw	KC2LTM
Vice President	Fred Wawra	W2ABE
Treasurer	Nancy Beattie	N2FWI
Secretary	Randy Smith	WU2S
Trustee	J Cooper	W2JC
Trustee	Dave Marotti	NK2Q
Trustee	Steve Wraga	WA2BYX
Field Day	Steve Wraga	WA2BYX
Health and Welfare	Al Rasmussen	WA2OWL
Speakers	Lowell Vant Slot	W2DLT
Publicity	Ed Efchak	WX2R
Publicity	Gene Ottenheimer	WO2W
Publicity	Susan Frank	W6SKT
Program	Lowell Vant Slot	W2DLT
Publicity	Al Rasmussen	WA2OWL
Publicity	Karl Frank	W2KBF
Publicity	Judith Shaw (ex officio)	KC2LTM
Social Media	Dave Marotti	NK2Q
Video/YouTube	Thom Guida	W2NZ
VE Liaison	Gene Ottenheimer	WO2W
VE Liaison	Pete Senesi	KD2BMX
Education	Gordon Beattie	W2TTT
Education	Randy Smith	WU2S
Education	John L. Howard	KD2NRS
Education	Fred Wawra	W2ABE
History	Gene Ottenheimer	WO2W
History	Lowell Vant Slot	W2DLT
History	Rosalyn Roimisher	KD2GKA
Photographer	Don Cassarini	N2PRT
W2NPT Trustee	Paul Cornett	W2IP
Technical	Paul Cornett	W2IP
Technical	Randy Smith	NU2S
RACES Liaison	Steve Wraga	WA2BYX

Newsletter Editor Ed Efchak WX2R

NJ QSO Party

A lousy band but a lot of fun marked the annual NJ QSO Party weekend on September 16-17. Some soapbox... " Sorry condx couldn't have favored us, but good fun and discussions... Great to see new members getting their 'HF Legs' "...(W2DLT). " Somehow, I have an idea that Frank Leonard is looking down and smiling tonight, after hearing his call on so many bands this weekend... And even on phone!... So, when's our NEXT club competition? " (W2AAB). "Very nice. There was a beehive of activity, with lots of mentoring going on." (WA2ALY). " Capt. Larry WA2ALY commented to me how good it was to see a number of people at the controls. We remember not so long ago that the radios sat unused for weeks at a time and Capt. Larry would have to blow the dust off the keys." (W2KBF).



Zach (KC2RSS)

Tnx Pix N2PRT



Past President Stan Sanders (KC2K) watches Tom (N2ST)

Member Profile (Continued)

How did you get interested in ham radio?

In 1964, my Dad changed jobs and was planning on getting his Technician/ Novice license and purchased a Lafayette HF receiver (I still have it).

Unfortunately, he passed away before he was able to get started. I have, 65 years later, managed to obtain my General.

What parts of the hobby most interest you?

Learning CW and DXing have always interested me.. The idea of QSL cards fascinated me as a kid -- I just got my FIRST one !

What does belonging to FLARC mean to you? How do you/can you better contribute to the club?

FLARC was recommended to me by a teacher at my high school, WB2QQJ, who is becoming one of my Elmers.

I have met so many members who have gone out of their way to welcome and help me by answering questions and helping me get on the air. I would be remiss if I failed to mention Tom N2ST, Van W2DLT and Karl W2KBF. Tom for my first QSO at the GOTA station that he and Karl set up for Field Day and Van who helped me at my first QSO party. Working with Ed and Jim for the Eclipse QSO was a blast. It was so much fun to have people come and see Ham Radio is a alive, well and flourishing.

I hope to contribute by supporting club functions by participation in whatever way I can and at the same time learn from the members to make me a better Ham.

Continued on page 2.

Where Are The Meeting Notes?

Simple. We moved the business meeting to October 13th. So... it didn't happen yet.

We will email them to you, post them on the blog and run them (for sure) in the November issue. So you get to read two business meeting notes next month. Lucky you.

The Monday Night *Near and Far* Net

Who did I miss?? Let Ed (WX2R) know and we'll add you to our N&F roster and Hall of Fame.

The net runs every Monday at 2000 Eastern Time on the repeater. Everyone is welcome. EchoLink friendly!

Thanks for checking in!

KD2MOB
WO2W
WX2R
W2JC
W2DLT
K2RJF
WA2BYX
K2TRW/BM2NHC
KC2TBD
KC2ZX
KD2BRV
KD2KLN
N1STU
N2ST
NQ2T
W2IP
W2KBF
W2NZ
W6SKT
WA2OWL
WI2W
WU2S
N2HIP
KD2BKD
KA2YRA
KD2NOG
KC2ZX
W2TAB
NK2Q
N2VHZ
W2TU
K2BIX
W2AAB
KD2NZW
KD2OAZ
KD2OBY and ???

Autumn 2017 Portable Day

Beautiful Autumn weather brought FLARC and BARA together on September 23rd for Portable Day. More than 30 attended and had the opportunity to test antennas and work some DX.



Bob (KD2BKD) and Gary (N2DVL) share an eyeball QSO.



Brian (KD2KLN) and his portable set-up



Don (W2JEK) with his 10m loop QRP set-up

Theoretics Demystified

What is SSB? It stands for SINGLE sideband!

When a carrier (a steady radio frequency signal) is broadcast and is amplitude modulated, ie: a varying strength input, the carrier mixes with that signal and produces a resultant addition and subtraction of the two frequencies. A 1000 kHz (cycle) carrier modulated with a 3 kHz tone will produce resultant energy on 1003 kHz and on 997 kHz. Those new energies are called sidebands as they result on the upper and lower side of the original carrier.

What single side band does is strip the original carrier and one of the sidebands from the signal, since the carrier does not contain any useful information.

The same information is contained in both sidebands so only one is needed for transmission and therefore all of the energy used in transmission is of desired information.

Using this single sideband approach conserves bandwidth as the carrier and the other sideband are not transmitted. The receiver at the other end reconstructs the signal so it can be decoded or listened to. The receiver puts the carrier back in, which is done by the Beat Frequency Oscillator enabling you to decode the information.

Without this the signal would sound like Donald Duck!

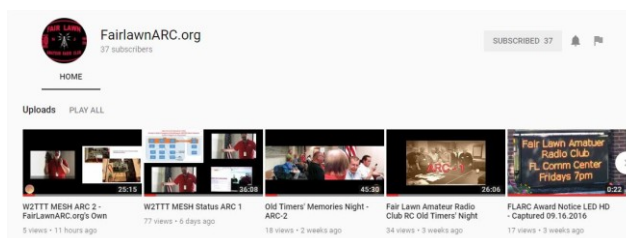
DE Fred W2ABE

FLARC on YouTube

Did you know that FLARC has a channel on YouTube?

Thom, W2NZ, has become quite the videographer and cinematic producer this past year -- and he has documented all of our special presentations, and preserved them in our YouTube channel. He would be encouraged if everyone would "subscribe" to our channel (and that way you will know when he posts new vidoes!)

<http://youtube.FairLawnARC.org>



Save The Date!!
October 20th Ria Jairam N2RJ
Friday, October 20, 2017
Fair Lawn Senior Center

Tune in to software defined radio! No code (as in computer coding skill) is necessary, as this will be a presentation about the end user's perspective and how SDR has revolutionized operating. Whether you are a casual rag chewer, DXer, contester, or simply an SWL, there is something for everyone.

Ria will be discussing the latest technology and offerings from Flex Radio, the HPSDR project (Anan radios), RTL SDR and others, as well as practical tips for contesting, DXing and rag chewing using your SDR.

Ria will also be giving a demo of SmartLink™ which is a revolutionary new turnkey solution for remote operation from Flex Radio Systems, that allows remote operation of your home station from anywhere that you have a broadband Internet connection.

Born and raised in Trinidad and Tobago, Ria has been around ham radio for a while, but radio even longer.

Having learned about the magic of ham radio since her dad began tuning the short waves as an SWL when she was 4 years old, she has since gained her license in three countries, and an interest in many amateur radio topics. DXing, contesting, CW, radio architecture, remote operation, digital modes, VHF/UHF and software defined radios are just some of her favorite things. In the world of DXing she has to her name DXCC at 322 entities, DXCC challenge, 5 band DXCC, WAS, WPX and is well on her way to completing 5Band WAZ.

Ria has also won various amateur radio contests at the state, regional, national and continental level and is a member of the Frankford Radio Club (FRC). She has also held "top elmer" status at the Flex Radio Systems community forum, and received an award for this in 2016 at the Dayton Hamvention.

When she's not contesting, you can find her rag chewing on 40 and 80 meters, DXing on 160 meters, or running FT8 and making digital mode contacts.



Ria Jairam N2RJ



N2RJ QTH

MASTER EVENT CALENDAR

- October 15 Fair Lawn Street Fair [club activity]
October 20 Ria Jairam (N2RJ) "YLs, SDR and Setting Up A World Class Station" (Senior Center)
November 17 Jonathan Taylor (K1RFD) "Developments In VOIP And Related Technologies" (Senior Center)
November 24 FLARC Auction (Senior Center)
December 1 FLARC ANNUAL MEETING and Dinner (Senior Center)
December 15 Mike Lisenco (N2YBB) ARRL Hudson Division President (Senior Center)

Upcoming Activities

- April 2018 Great Falls Earth Day Special Event Station (TBD)
June 2018 Field Day 2018
TBA Radio Astronomy and Amateur Radio
TBA W1TP Enigma Presentation w/Fair Lawn Public Library
TBA EMCOMM and its local impact
TBA FT8 For Dummies
TBA The 2018 FLARC Member Survey Summary



Hidetsugu Yagi's 130th Birthday Google Doodle

Follow FLARC ON THE WEB

Facebook: <http://facebook.FairLawnARC.org>

Twitter: @FairLawnARC

Blog: <http://blog.FairLawnARC.org>

Youtube: <http://youtube.FairLawnARC.org>

FLARC VEC Exams

Our next test session is scheduled for **Saturday, October 21st** beginning at 09:00 at the Community Center. No advanced registration is required but always appreciated. The fee is \$15.00 (cash or check).

Please bring positive identification (license, passport, etc.), your original license and a copy, original CSCE and a copy (if credit is needed).

The full exam schedule is on the club calendar at the FairLawnARC.org website. For further information contact VE-Liason@FairLawnARC.org.

Please refer also to the "License Exams" link on the main website--

<http://testing.FairLawnARC.org>

Don't forget that nominations for 2018 officers and trustees are coming up next month. See, call or email Jim (W2JC) or Dave (NK2Q) with your comments and recommendations.

Also don't forget that it's never too early to pay your 2018 dues!!

**We appreciate your support of the Fair Lawn Amateur Radio Club!
This is your Club! Be part of it!**

Member Profile (Continued)

What should be the club's priorities in the next year?

Easy for me to answer and they have started- Code classes and maybe some bench theory above the basics.

What else can you tell the club about yourself and/or ham radio?

I'm married to Elsa who is a professional singer. Elsa beside being patient and understanding (she tolerates me after all) is a Contralto. She sang for many years with the Gregg Smith Singers, touring all the states but Alaska, as well as Europe and Asia. As a soloist Carnegie Hall, Lincoln Center, the Metropolitan Opera and most of the major churches in NYC are her "shack".

I'm interested in learning as much as I can about this new hobby and regret not getting my ticket sooner, but life has a way of happening. I did get it -- finally.

What other ham related clubs or organizations do you belong to?

I belong to FLARC and ARRL. I have been involved with the Masonic Fraternity since I was 14 years old as a Demolay and over 30 years as a Master Mason. There are other professional organizations -- ASCP, NEA, NSH and FIBMS (Great Britain)



John KD2NRS

2017 FLARC Speaker Series Locations:

SPEAKERS WHO ARE FLARC MEMBERS:
FLARC CLUBHOUSE

SPEAKERS WHO ARE INVITED GUESTS:
FAIR LAWN SENIOR CENTER

Save The Date: November 24 th The FLARC Auction

The annual FLARC auction is the best event of the Fall/Winter season and a great fundraiser for the club. Please hold the date and volunteer to help with the many things there are to do to accommodate eager buyers, determined sellers and very hungry hams.

It's at the Senior Center... save the date; help the club!

CQ HQ

We are looking to put together a trip to ARRL headquarters in Newington CT , get a tour and visit W1AW. If you're interested, contact Ed (WX2R) and we can start to plan a date... weekdays only.

September 2017 Blog Traffic

September traffic was the **highest ever** in visitors, second highest of the year in views and the fourth straight month of 600+ page views. .. thanks to all!!

Here is the data:

	September 2017/5 Fridays	September 2016/4 Fridays	Change
Views	853	469	82%
Visitors	394	129	205%
Posts	14	20	-30%

And we continue to grow!! There is new content nearly every day so it's really worth the look to both FairLawnARC.org and the blog.

Field Day Trustees Report

Back on September 15, 2017 some two dozen members of The Fair Lawn Amateur Radio Club held a meeting in the Card Room regarding plans for Field Day 2018. Our club's president Judith KC2LTM opened the meeting, and club trustee Stephen WA2BYX ran the meeting. The club's vice-president, Fred W2ABE co-chaired the meeting and club trustee Jim W2JC as in attendance.

Several important items came up at the first Field Day 2018 meeting. Among them were:

- 1) The Field Day 2018 committee needs to meet monthly, preferably the second Friday of the month, in order to assure that the group is working towards a common goal, and not diverging towards multiple outcomes.
- 2) The radio club has grown to well over 100 members. Since we usually begin to break down the Field Day site at noon on Sunday, so the Ridgewood Office of Emergency Management can break down and bring their portable shelter back to Ridgewood, we only operate 22 hours. In order to provide 60 members with at least one hour of operating time we will need at least 3 full time stations this year, as opposed to the two stations we have run in the past.
- 3) The Get-On-The-Air station, can operate as a GOTA station during the day when visitors are present, and switch over to a regular operating position during the evening. This will give the radio club 4A status, and additional station hours available to the members staying over at night.
- 4) Brad is going to consider bringing his mobile communications trailer to the Field Day 2018 site to set-up his OSCAR station, and perhaps allow the club to set-up a digital / 80 CW station in the second operating position.
- 5) The club will try to set up a digital station in 2018. It will allow the members who have been wanting to operate digital modes a chance to get on the air during Field Day with digital, it will showcase digital operations to our club members, and will give the Publicity Committee a chance to show off to the public the 21 century aspects of ham radio to the general public. It may even attract a new member or two from the visitors to our site.
- 6) A bulletin board with the Field Day 2018 Committee Organizational chart will be set-up in the operating room so everyone can see who has signed up for the various sub-committees / tasks anticipated. A sign-up sheet with the various sub-committees / tasks will also be set up so club members can decide what they would like to volunteer to help out with, and sign up to take on a task or two.
- 7) A bulletin board with the Field Day 2018 Committee Organizational chart will be set-up in the operating room so everyone can see who has signed up for the various sub-committees / tasks anticipated. A sign-up sheet with the various sub-committees / tasks will also be set up so club members can decide what they would like to volunteer to help out with, and sign up to take on a task or two.
- 8) A VHF station will also be set up to give the Technician Class licensees a station which they can operate without the need for a higher class license holder to act as a control operator.
- 9) The 4A category will require additional antennas, radios, computers, and operating positions. It is a goal we can achieve if we work together, getting a little done each month over the next 9 months.

DE Steve WA2BYX

NJ QSO Party: The (Partial) Results

The club logged just over 12,240 QSO points despite terrible band conditions. We have had other club members make submissions on our behalf so we'll have to wait until around Thanksgiving to find out the final score.



Dave (KD2MOB) at the controls.

A thanks to the following participants: N2PRT, KD2MOB, KC2ZX, KD2IUC, WA2ALY, W2JC, W2KBF, WX2R, KD2NZW, W2DLT, KD2NRS, N2ST, KC2K, KO2OK, KC2RSS and W3EH. And a thanks to W2AAB and (George) for helping with points



Advertisement

FLARC Badges and Travel Mugs

Perfect for NPOTA, FD and Portable Day

Standard or 60th Anniversary Logo

Badge \$15 Stainless Steel 15 oz. Mug \$25



See Randy WU2S to order or
Email randy@wu2s.com

Get Involved!

Join one of the ongoing committees that you see in this newsletter or start your own special interest group. Lots of ways to be involved with FLARC!

Tech Talk

Let's Get Digital, Digital...

It's easy to fall into a rut with many things in life – even those activities we most enjoy. So, it is no surprise to see many hams doing the same things year after year and wondering where all the fun went.

Time to try something new.

An inexpensive computer, some free software and your existing transceiver are all you need to open whole new worlds of digital communications suitable for different conditions and goals.

Programs like FLDigi and Ham Radio Deluxe enable you to use many different digital formats.

Olivia was written by a European ham to establish reliable communications on HF under difficult conditions. A signal can be successfully decoded even when it is well below the noise floor. It can also decode well under other noise, QSB, QRM, flutter caused by polar path propagation and even auroral conditions.

Our resident New Jersey Nobel Laureate Joe Taylor K1JT provides many programs for hams interested in weak signal communication. His WSJT program offers specific digital protocols optimized for meteor scatter, ionospheric scatter, and EME (moon bounce) at VHF/UHF, as well as HF skywave propagation. The JT65-HF mode is useful on the HF bands. The WSPR program (weak signal propagation reporting) appeals to many hams who live in areas where large antennas and high-power rigs are not feasible. This program lets you communicate world-wide on low power with very modest antennas. A high precision clock is needed to operate correctly and there are instructions in WSPR's documentation on how to obtain suitable time signals.

References:

1. Ham Radio HF Digital Modes Software:
<http://www.hamuniverse.com/hfdigitalmodessoftware.html>
2. WB8NUT Digital Modes Information Page:
<http://wb8nut.com/digital/>
3. Fldigi Software: <http://www.w1hkj.com/>
4. Fldigi Wikipedia Page:
<https://en.wikipedia.org/wiki/Fldigi>

Veep Beeps

We recently had a great portable day in the Memorial Park in Fair Lawn! Things are moving forward with mesh networking and other newer exciting technologies. There are many new possibilities regarding ham radio and this includes involvement in the Maker and STEM worlds.

To be sure it is an exciting time at the Fair Lawn Amateur Radio Club!

73, Fred, W2ABE.

Congratulations!!

Here are the results of the September 9, 2017 VE Exam :

6 candidates served.

5 licenses granted

Linda Kochenburger	Awarded Technician License
Nicholas Maietta	Awarded Technician License
Petrica Baci	Awarded Technician License
Scott Gaiti	Awarded Technician License
Robert Dietz	Awarded Extra Class License

Congratulations to all!!

Tech Talk (Continued)

There are too many other choices to describe in a short column. A few of the names you will often see are PACTOR, Clover, RTTY, PSK31, and Hellschreiber, which is a facsimile transmission mode developed in the 1930s and still used by hams today.

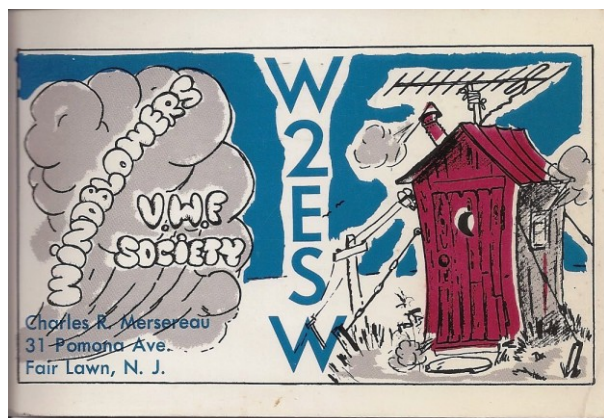
Look at some of the references on the left for more information on where to get software and read descriptions of the various digital protocols.

At the FLARC clubhouse, we have operating position #2 set up to use Fldigi with which you can try some of these digital modes.

Let me hear your radio talk – Olivia maybe?
73,
Randy WU2S

A Look Back

A 1966 QSL from W2ESW in Fair Lawn to an East Paterson (now Elmwood Park) contact.



Charles (W2ESW)

From the FLARC collection

BEQUEATHS AND DONATIONS

Planned gifts usually imply the family donation of amateur equipment to the club when someone has become a Silent Key. But it can be more. Club members might consider making a gift through a will or trust; gifts that help provide lifetime income to the club. Consult with your lawyer, estate planner or tax advisor if you feel such a gift is worthy.

About The Club

The Resonator is published monthly and is the official (and only) newsletter of The Fair Lawn Amateur Radio Club. FLARC was established in 1956 and has met continuously since inception.

The club meets every Friday at 7PM at the club station in The Fair Lawn Community Center, 10-10 20th Street, Fair Lawn, NJ. Business meetings are the first Friday of the month at 7:30 PM.

Visitors are always welcome at our meetings.

FLARC operates the W2NPT repeater (145.470- PL 167.9) located atop the Community Center. The analog repeater is open to all amateurs for use without restrictions.

The club has approximately 120 members.
Dues are currently \$25 per year/\$20 for new members.

For more information, please see our website, at

<http://membership.FairLawnARC.org>

A Look Back

At our Reunion Night in August our guests spoke about the early clubhouses of FLARC. Here is among the earliest -- the Old Municipal Building at 11th Street and Gardiner Road... Tnx Fred (W2AAB).



Fred (W2AAB) at the door of the FLARC clubhouse -- Winter 1965.

Who Says Ham Radio Is Boring?™



FAIR LAWN'S TECHNOLOGY HOUSE!



Sad News

Since he became a FLARC member, George (W3EH) has often been accompanied by his canine companion Pincus. The canine became a regular member at our events and was a part of the Field Day group photo this year.

Pincus died suddenly earlier this month. As we all know, the loss of a pet is immeasurable but so is the love that they leave behind. It's been said that best friends live forever in the memories we keep.

A good word to George when you can.



George (W3EH) and Pincus

Drawing by Pamela Ryder

New Band Plan Released

The ARRL has released the revised band plan and Jim (W2JC) points out that Techs have CW privileges on 80, 40 and 15m.

Find the link on the blog or below:

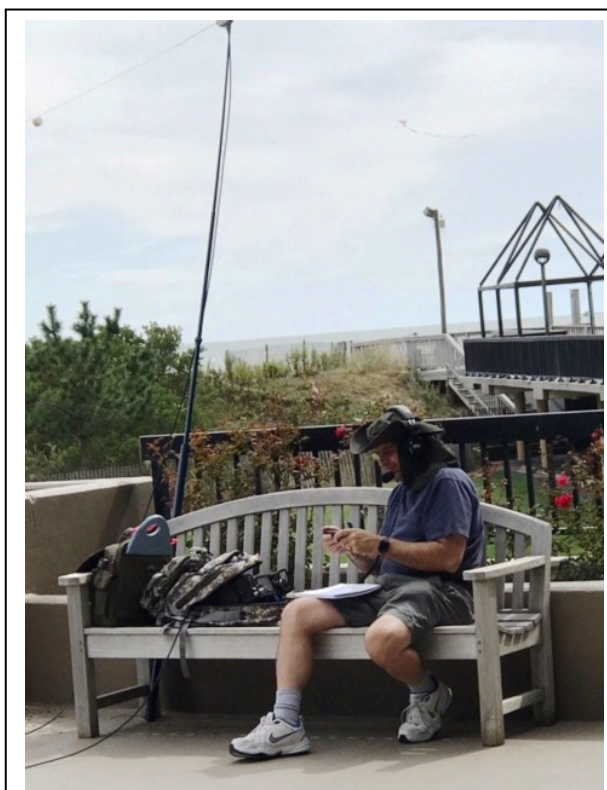
<http://www.arrl.org/files/file/Regulatory/Band%20Chart/Band%20Chart%2085%20X%2011%20Color.pdf>

NK2Q's Personal Portable Day

While on holiday during our Portable Day weekend, Dave (NK2Q) brought along his portable gear to Bethany Beach, DE and set up along the water. Starting out QRP, poor propagation amounted to nada.

Switching over to his Icom 7300 and an end-fed dipole, he worked Holland, Spain, and France.

Thanks Dave!! You gotta love the hat and phones.



Dave (NK2Q)

Street Fair

Don't forget the Autumn Fair Lawn Street Fair is Sunday, October 15th on River Road. Although smaller than the Spring event, it's still pretty big and a car show to boot.

FLARC will have its booth in place... please volunteer if you can or at least check in to talk to us during the day.

Noel On A New Antenna

I bought a Yaseu 897D with an included Atlas 120A antenna at the KLARA Hamfest.

The welders made a mount for the antenna. The mount is located in such a way as to allow both of the van's back doors to open. It also is low enough that I will not rip it off with tree branches (Dayton) nor bend the whip (parking garage). I have learned from my past mistakes.

Of course, after everything was mounted, I then whacked my head on the horizontal stainless steel top plate while accessing the back of the van. Determined not to do that again, I took it back to the welders and they fabricated a loop out of 3/8" round bar stock.

I covered the 3/8" bar with a piece of 1/2" pipe insulation, then wrapped it in white electrical tape. I then made black stripes with black electrical tape. Hopefully, this will prevent others from walking into my antenna.

I hope that the electrical ground through the trailer hitch is sufficient.



The N2OEL antenna

Save The Date! November 17, 2017

Jonathan Taylor (K1RFD)

"Developments In VOIP
and Related Technologies"

The club is honored to have a member of the CQ Hall of Fame and a co-inventor of "Apparatus, system, and method for maintaining a persistent data state on a communications network", U.S. Patent #7,188,176.

Jonathan is author of the ARRL book "VoIP: Internet Linking for Radio Amateurs." He received the 2002 ARRL Technical Innovation Award. He is also the recipient of the 2003 Hamvention Special Achievement Award in Dayton.

Named to CQ Magazine Amateur Radio Hall of Fame (2005), Jonathan is the ARRL Technical Advisor for the New England Division.

"Mr. Echolink" is also a private pilot and may be the first FLARC speaker to fly to his presentation from his Connecticut home QTH.



Jonathan Taylor K1RFD

Don't Forget Club Apparel !!

Being spiffy in FLARC gear is always in fashion. Check out Randy's (WU2S) new FLARC baseball cap as an example. Find the catalog and the order form at:

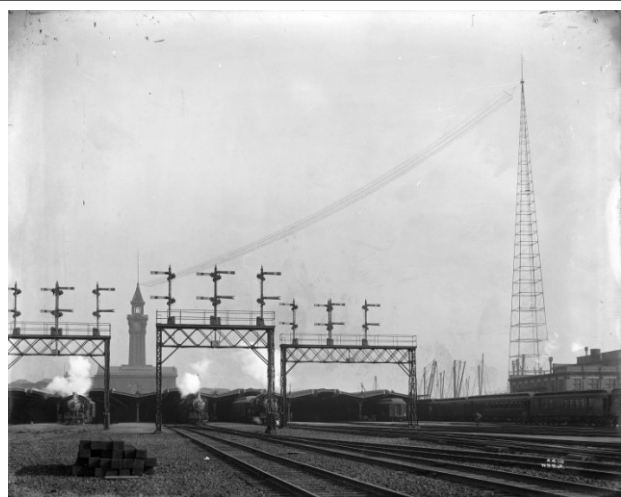
http://flarc.net/FLARC_Clubware_descriptions_160226.pdf

A Look Back

Paul Cornett W2IP

The wireless tower at Hoboken -- which at first transmitted telegraph signals -- was 402 feet high and erected in October 1914.

I'm attaching a brief news item from an October 1914 issue of RAILWAY AGE announcing completion of the new tower. I'm also attaching an article published in AGE about four months later, written by L.B. Foley, Lackawanna's Supt. of Telegraph, giving some details of the use of wireless communication on DL&W. This technology was then in its infancy and the Lackawanna was a real pioneer. (See the FLARC blog for more...)



Past FLARC Member Profiles

Here is a list of past member features and we welcome your recommendations for new profiles -- including your own.

Month	Name	Call Sign
January 2016	Pete	KB2BMX
February	Marco	KC2ZMA
March	Ron	KC2TBD
April	Kai	K2TRW
May	Larry	WA2ALY
June	Dave	NK2Q
July	Steve	WI2W
August	Thom	N2DI
September	Brian	KD2KLN
October	Brad	KD2GNY
November	Al	WA2OWL
December	George	W3EH
January 2017	Fred	W2ABE
February	Dave	KD2MOB
March	Randy	WU2S
April	Lee	KD2DRS
May	Gene	WO2W
June	Carol	KD2NMV
July	Kevin	KC2KCC
August	Robert	KD2NOG
September	Robert	KD2BKD
October	John	KD2NRS

By the way, Randy (WU2S) has compiled a binder of all back issues of *The Resonator* and it's located in the club office. Thanks Randy!!! Back issues are also available on our website.

<http://newsletters.FairLawnARC.org>

One Letter Away From Fame

Zach (KC2RSS) holds up copies of Icom's "The Adventures of Zack and Max" ham radio primer.



Zach (KC2RSS)